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Honeywell's Docket No. H0002233 US -4015  
Practitioner's Docket No. 7240022001-3221000

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: FERY, et al.

Application No.: US National Phase Application related to PCT/US02/05536 and to  
**Current Application 10/765782.**

Group No.: Not Yet Assigned

Filed: June 11, 2003

Examiner: Not Yet Assigned

For: INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES

Mail Stop Petition  
Attention: Office of Petitions  
PO Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

1. Transmitted herewith is Petition Under 37 CFR 1.10 for this application.

STATUS

2. Applicant is other than a small entity.

FEE DEFICIENCY

5. If any additional extension and/or fee is required, charge the Bingham Account No. 502518.  
If any additional fee for claims is required, charge Bingham Account No. 502518.

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CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

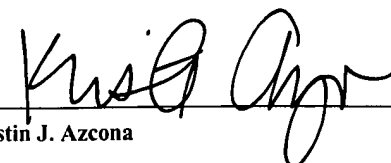


deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date: March 15, 2004

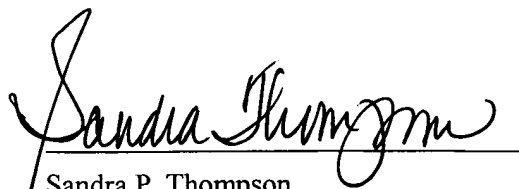
FACSIMILE

- ☐ transmitted by facsimile to the Patent and Trademark Office.

  
\_\_\_\_\_  
Kristin J. Azcona

(Amendment Transmittal--page 1 of 2)

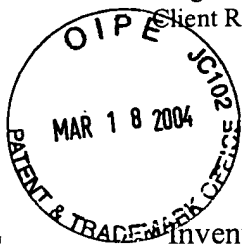
Date: March 15, 2004



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Sandra P. Thompson  
Bingham McCutchen  
600 Anton Blvd., 18<sup>th</sup> Floor  
Costa Mesa, CA 92626  
USA

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231**



Inventor: **Fery et al.**

Serial No: **US National Phase**

**Application related to PCT/US02/05536**

**and to Current Application 10/765782**

Filed: **June 11, 2003**

For: **Internal Heat Spreader  
Plating Methods and Devices**

Examiner: **Not Assigned Yet**

Art Unit: **Not Assigned Yet**

**COMBINED PETITION UNDER 37 CFR § 1.10 AND DECLARATION  
OF SANDRA P. THOMPSON**

I, the undersigned, Sandra Poteat Thompson, hereby petition the USPTO as follows:

1. I am the attorney of record for Honeywell International Inc. and am an associate with the firm of Bingham McCutchen LLP.
2. On February 20, 2003, I instructed Ms. Kristin Azcona ("Ms. Azcona"), a senior IP paralegal in my office, to file a National Phase Application claiming priority to PCT/US02/05536 in Japan and China. I reviewed all of Ms. Azcona's letters before they were sent to the Foreign Associates via DHL WorldWide Express and reviewed all of the confirmation copies of receipt and filing from the Foreign Associates that were sent to our office during the following 2 weeks. All of these applications and letters reached their respective destinations and were timely filed with their respective Patent Offices. (See Exhibit A for true and correct copies of letters and confirmations of receipt from our Foreign Associates)
3. On June 11, 2003, I instructed Ms. Azcona to file a National Phase Application claiming priority to PCT/US02/05536 in Europe, Canada, Indonesia, India, Korea, Singapore and the United States. I reviewed all of Ms. Azcona's letters before they were sent to the Foreign Associates via DHL WorldWide Express and reviewed all of the confirmation copies of receipt and filing from the Foreign Associates that were sent to our office during the following 2 weeks. All of these applications and letters reached their respective destinations and were timely filed with their respective Patent Offices. (See Exhibit A for true and correct copies of letters and confirmations of receipt from our Foreign Associates)
4. On June 11, 2003, I reviewed and signed the documents for a United States National Phase Application claiming priority to PCT/US02/05536 to be filed by Express Mail – Post

Office to Addressee – Number EV406604014US. This Express Mail number was properly placed on the application correspondence sent to the USPTO. The Express Mail label was properly prepared, dated and had the Riordan & McKinzie Express Mail Account Number clearly marked on the label. I asked Ms. Azcona to file the National Phase Application that day. (See Exhibit B for a true and correct copy of paperwork filed with copy of Express Mail label)

5. On June 11, 2003, Ms Azcona prepared and sent a letter to the client that I reviewed, addressed to Yvonne Whetsell, Honeywell International Inc., PO Box 2245, 101 Columbia Road, Morristown, NJ 07962, enclosing a copy of the application documents filed in the US National Phase on June 11, 2003. (See Exhibit C showing a true and correct copy of this letter).
6. Our office received the Customer Copy of the Express Mail – Post Office to Addressee – Number EV406604014US label by mail with the “Date In” showing June 11, 2003 and the USPS mail stamp showing the date of deposit as June 11, 2003. (See Exhibit D showing a true and correct copy of the Customer Copy of the Express Mail label received by our office).
7. On July 23, 2003, Ms. Azcona prepared and sent a letter to the inventors – Mark Fery and Paul Silinger – stating that “**The three-month anniversary of the filing date of your application is approaching**, and we will shortly be considering whether an Information Disclosure Statement (IDS) needs to be filed for this matter.” (emphasis added) I also reviewed this letter prior to mailing. (See Exhibit C showing a true and correct copy of this letter).
8. On information and belief, both the June 11, 2003 and the July 23, 2003 letters from Ms. Azcona to Yvonne Whetsell, Mark Fery and Paul Silinger exhibit Ms. Azcona’s good faith belief that the US National Phase Application had been filed with a filing date of June 11, 2003. (See Exhibit E – Ms. Azcona’s 03/01/2004 Declaration)
9. I followed up with the USPTO Status Line on September 25, 2003 in order to check on the status of the US Postcard and Filing Receipt, since there were several matters we had not received Postcards and Filing Receipts for that had been filed in June and July of 2003. I learned that the application had not been received yet by the USPTO.
10. The paralegal responsible for this matter, Ms. Kristin Azcona, was out on maternity leave on September 25, 2003, so I was unable to file a petition under 37 CFR 1.10, since a petition under 37 CFR 1.10 (along with MPEP Section 513) requires that a statement, signed by the person who deposited the documents as "Express Mail" with the USPS be included with the petition setting forth the date and time of deposit, and declaring that the copies of the correspondence, "Express Mail" mailing label, and returned postcard receipt accompanying the petition are true copies of the correspondence, mailing label and returned postcard receipt originally mailed or received.

11. I signed documents and filed a second National Phase Application claiming priority to the PCT Application Serial No.: PCT/US02/05536 and to the European National Phase Application Serial No.: 02707865.8, which was timely filed on July 3, 2003, so that I could conduct a full investigation as to where the June 11, 2003 Express Mail package was located before filing a petition to award the original filing date.
12. I checked with the USPS and learned that the Express Mail number had not entered their system.
13. I conducted a complete file audit of our client files to determine if we had received the documents mailed on June 11, 2003 back in our office, and we had not.
14. I also reviewed those documents filed on or about the same time, including another application filed on June 26, 2003 as Express Mail – Post Office to Addressee - number EV332879354 – where the postcard was not received until September 23, 2003 by our San Francisco Office (original application mailed on June 25, 2003).
15. On information and belief, when Ms. Azcona returned from her maternity leave, she reviewed her hours and the file for the matter and did confirm that she had deposited the Express Mail package in the firm's Drop Box on June 11, 2003 and filled out the proper sections on the Express Mail Log. She further confirmed her deposit of Express Mail – Post Office to Addressee – Number EV406604014US by reviewing the Express Mail Log (See Exhibit E – Ms. Azcona's 03/01/2004 Declaration and Exhibit F – a true and correct copy of Express Mail Log showing the attorney docket number; the place and date of deposit; the time of the last scheduled pick-up for that date and place of deposit; the depositor's initials or signature; and the date of entry in the log).
16. During February and early March of 2004, I learned while working with Kristin Azcona in a detailed review of all mail that had been deposited by our office from the time period of April 1, 2003 to February 29, 2004 that several items sent by Express Mail – Post Office to Addressee and sent by USPS First Class Mail had not been received at their destination, including Express Mail and First Class Mail sent to Honeywell International Inc. (the Applicant herein), two pro bono clients and to personal contacts.
17. Once I had fully determined that Express Mail – Post Office to Addressee – Number EV406604014US was never received by the USPTO and was not received back in our offices, I **promptly** began working on this petition under 37 CFR 1.10 to the USPTO, requiring a declaration from Ms. Kristin Azcona as the person who deposited the documents "Express Mail" with the USPS (MPEP Section 513).

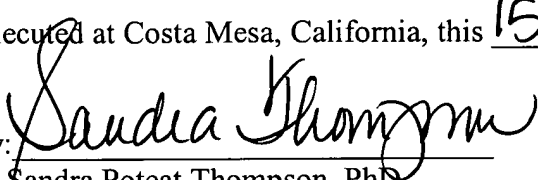
18. I respectfully request the USPTO to award a filing date of June 11, 2003 for the above-referenced National Stage Application, as originally mailed, especially given the facts that:

- a) the Express Mail Envelope in question was mailed with sufficient postage as evinced by the Riordan & McKinzie Account Number on the Express Mail label herein attached;
- b) true and correct copies of the US National Phase Application and related documents have been provided;
- c) a true and correct copy of the Customer Copy of Express Mail Number EV406604014US with a "Date In" stamp of June 11, 2003, which was received by our office, is provided herein;
- d) a Declaration from Ms. Azcona – the person who deposited the documents as "Express Mail" with the USPS – is provided herein setting forth the date and time of deposit, and declaring that the copies of the correspondence, "Express Mail" mailing label, and returned postcard receipt accompanying the petition are true copies of the correspondence, mailing label and returned postcard receipt originally mailed or received; and
- e) a true and correct copy of the Express Mail Log (Exhibit F) shows the attorney docket number; the place and date of deposit; the time of the last scheduled pick-up for that date and place of deposit; the depositor's initials or signature; and the date of entry in the log for Express Mail – Post Office to Addressee – Number EV406604014US.

19. I hereby declare that all statements made herein of my own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Section 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed at Costa Mesa, California, this 15th day of March, 04.

By:

  
Sandra Poteat Thompson, PhD  
Registration Number: 46,264

Dated:

3/15/04

Respectfully submitted,

Bingham McCutchen, LLP

By:



Sandra P. Thompson, PhD, Esq.

Reg. No. 46,264

E-mail: [sandra.thompson@bingham.com](mailto:sandra.thompson@bingham.com)

Direct Line: 714-830-0622

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\*\*PATENT AGENT

February 20, 2003

## VIA FACSIMILE AND DHL WORLDWIDE EXPRESS

China Patent Agent  
22/F Great Eagle Centre  
23 Harbor Road  
Wanchai, CHINA

RE: National Phase Application in China Based on PCT Serial No. PCT/US02/05536 filed  
February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell (Spokane) - Paul Silinger, et al.  
Honeywell Ref. H0002233 CHIN (4015)  
Our Ref: 100686.0002CN

Dear Sir:

Please file a national phase application based upon the above-referenced PCT application before  
the 30 month deadline of **September 2, 2003**. Copies of the following PCT papers are enclosed:

PCT Chapter I Request  
WIPO Publication  
International Search Report  
Response to International Search Report  
Preliminary Examination Report

The applicant is as follows:

- (1) Honeywell International Inc.  
PO Box 2245  
101 Columbia Road  
Morristown, NJ 07962

China Patent Agent  
February 20, 2003  
Page 2

The inventors are as follows:

- (2) Paul Silinger  
E 10914 Ferret Drive  
Spokane, WA 99216
  
- (3) Mark Fery.  
E. 023 Elde Drive  
Spokane, WA 99216

Please note that all correspondence regarding procedural and/or substantive matters should be directed to the undersigned, but all invoices should be directed to Yvonne Whetsell at Honeywell International, Inc., PO Box 2245, 101 Columbia Road, Morristown, New Jersey 07962.

Please also note that Honeywell pays its own maintenance and renewal fees.

If you have any questions, please feel free to contact this office.

Sincerely,

RUTAN & TUCKER, LLP

  
Kristin J. Azcona  
Paralegal

Enclosures

China Patent & Trademark  
Agent (U.S.A.) LTD.  
55 Broad Street, 15th Floor,  
New York, NY 10004, U.S.A.  
Tel: (1-212)8098100

Tokyo Office  
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19-6 Hongo, 3-Chome, Bunkyo-Ku,  
Tokyo 113, Japan  
Tel: (81-3)56897628

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**中国专利代理 (香港) 有限公司**  
*Patent, Trademark, Copyright & Legal Affairs*  
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Fax No: 1-7145469035

**Attn.: MR. KRISTIN J. AZCONA**

(PLA01)

**Date: February 24, 2003**

Re: Entry into the National Phase of PCT Application No. **PCT/US02/05536** in China  
In the name of **HONEYWELL INTERNATIONAL, INC.**  
Title: **INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES**  
Your Ref: **100686.0002CN/H0002233 CHIN (4015)**  
Our Ref: **CPME0340676P**  
Priority(ies) to be claimed: **US 60/272805 2001/03/02**

Dear Mr. Azcona,

We acknowledge receipt of your order letter of February 20, 2003 for the entry into Chinese national phase of the captioned PCT international patent application with many thanks.

In accordance with your instructions, this application shall enter the Chinese national phase before the Chinese Patent Office with 1 priority claim in due course.

Please always quote our reference number **CPME0340676P** in your correspondence relating to this case from now on.

We thank you once again for entrusting us with this case and shall provide our best service to you.

Sincerely yours,



Charles ZENG

Patent Attorney

Director of Patent Application Department

China Patent Agent (H.K.) Ltd.

/chanhh

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February 20, 2003

## VIA FACSIMILE AND DHL WORLDWIDE EXPRESS

Kawaguti & Partners  
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Tokyo, JAPAN 160-0022

RE: National Phase Application in Japan Based on PCT Serial No. PCT/US02/05536 filed  
February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell (Spokane) - Paul Silinger, et al.  
Honeywell Ref. H0002233 JAPA (4015)  
Our Ref: 100686.0002JP

Dear Sir:

Please file a national phase application based upon the above-referenced PCT application before  
the 30 month deadline of **September 2, 2003**. Copies of the following PCT papers are enclosed:

PCT Chapter I Request  
WIPO Publication  
International Search Report  
Response to International Search Report  
Preliminary Examination Report

The applicant is as follows:

- (1) Honeywell International Inc.  
PO Box 2245  
101 Columbia Road  
Morristown, NJ 07962

Kawaguti & Partners

February 20, 2003

Page 2

The inventors are as follows:

- (2) Paul Silinger  
E 10914 Ferret Drive  
Spokane, WA 99216
  
- (3) Mark Fery.  
E. 023 Elde Drive  
Spokane, WA 99216

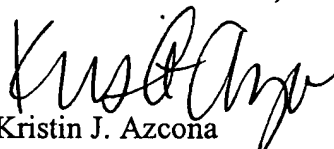
Please note that all correspondence regarding procedural and/or substantive matters should be directed to the undersigned, but all invoices should be directed to Yvonne Whetsell at Honeywell International, Inc., PO Box 2245, 101 Columbia Road, Morristown, New Jersey 07962.

Please also note that Honeywell pays its own maintenance and renewal fees.

If you have any questions, please feel free to contact this office.

Sincerely,

RUTAN & TUCKER, LLP

  
Kristin J. Azcona  
Paralegal

Enclosures

# KAWAGUTI & PARTNERS

54-002-002

PATENT ATTORNEYS

MAIL ADDRESS: P.O.BOX 98, SHINJUKU, TOKYO 163-8691, JAPAN  
PHONE: 81-3-3354-8623 FAX1: 81-3-3341-8425 FAX2: 81-3-3341-0175

Please make sure that you dial the correct number when you send fax messages.  
Please use FAX1. FAX2 may be used only in case FAX1 is not available, since FAX2 has a confusing neighbor number and a misdialing of it may cause our no receipt.

Honeywell Ref: H0002233 Japan

Our Ref: 47857/PCT

Date: May 27, 2003

RIORDAN & MCKINZIE  
Sandra L. Poteat-Thompson, Ph.D.  
600 Anton Boulevard, 18th Floor  
Costa Mesa, CA 92626  
U.S.A.

Dear Dr. Thompson,

Re: Japanese Patent Application No. 2002-569305  
(Japanese National Phase of International  
Application No. PCT/US02/05536)  
Applicant(s) in Japan: Honeywell International Inc.

For entering the national phase in Japan, the application paper and the translation of the captioned international application were filed May 8, 2003 at the Japanese Patent Office by on-line together with the translation of Amendment(s) under PCT Art. 19. Japanese patent application number as referenced above has been allotted.

Please refer to our remarks as attached.

We thank you very much for entrusting this case to us.

Yours faithfully,  
KAWAGUTI & PARTNERS



(Y. Kawaguti)

Via Airmail

CC: Via Airmail to Ms. Yvonne Whetsell of Honeywell International, Inc. with our debit note

Enclosures:

- 2 copy(ies) of translation of text of specification, claim(s), abstract (& drawings) as filed
- Official filing certificate
- Translation of Amendment under PCT Art. 19 as filed

# RIORDAN & MCKINZIE

A PROFESSIONAL LAW CORPORATION

## LOS ANGELES OFFICE

300 SOUTH GRAND AVENUE  
TWENTY-NINTH FLOOR  
LOS ANGELES, CALIFORNIA 90071  
TELEPHONE (213) 629-4824  
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PLAZA TOWER, 18TH FLOOR  
600 ANTON BOULEVARD  
COSTA MESA, CALIFORNIA 92626-1924

(714) 433-2900  
FAX (714) 549-3244

## WESTLAKE OFFICE

5743 CORSA AVENUE, SUITE 116  
WESTLAKE VILLAGE, CA 91362  
(818) 706-1800 (805) 496-4688  
FAX (818) 706-2956

RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

### VIA DHL WORLDWIDE EXPRESS

Gill Jennings & Every  
Broadgate House, 7 Eldon Street  
London EC2M7LH

RE: National Phase Application Based on PCT/US02/05536 filed February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Silinger, et al.  
Honeywell Ref: H0002233 EPO (4015)  
Our Ref: 54-002-009

Dear Sir:

Please file a national phase application based upon the above-referenced PCT application before the 31 month deadline of **October 2, 2003**. Copies of the following PCT papers are enclosed:

PCT Request Form  
Chapter II Demand  
Recorded Assignment  
WIPO Publication  
Formal Drawings  
International Search Report  
Response to the International Search Report  
International Preliminary Examination Report

The applicant is as follows:

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PO Box 2245  
101 Columbia Road  
Morristown, New Jersey, 07960 USA

The inventors are as follows:

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E 10914 Ferret Drive  
Spokane, WA 99216 USA

(2) Mark Fery  
E. 023 Elde Drive  
Spokane, WA 99216 USA

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Please also note that Honeywell pays its own maintenance and renewal fees.

Also please send by return fax, copies of (1) the necessary signature papers (such as power of attorney) and (2) a listing of any other requirements (such as certified copy of assignment).

If you have any questions, please feel free to contact this office.

**We would appreciate your confirmation of these instructions by facsimile.**

Sincerely,

  
Kristin J. Azcona  
Paralegal  
RIORDAN & MCKINZIE

Enclosures

cc: Yvonne Whetsell (w/out encl.)



# Gill Jennings & Every

European Patent Attorneys  
European Trade Mark Attorneys

Broadgate House · 7 Eldon Street · London EC2M 7LH

Tel: +44 (0)20 7377 1377  
Internet: www.gje.co.uk

Fax (Gp3): +44 (0)20 7377 1310  
(Gp4): +44 (0)20 7377 6036

P R B LAWRENCE      S N RACKHAM      M J BRUNNER  
R E PERRY      R E SKONE JAMES      R A BLUM  
H M M JONES      P W HARRIS      C J HUCKER      S HALEY  
L A SAMUELS      P J FINNIE      A L MACQUARRIE      J W G JAPPY

Partnership Secretary S J PACK

M V GORDON

M LORD

W A J PONDER

Accounts A J SHIAFKOU      Computer Systems G G AMABILINO  
Records: Patents G M ALDERMAN      Trade Marks A J TILBURY

Ms Kristin J Azcona  
Riordan & McKinzie  
600 Anton Blvd  
Suite 1800  
Costa Mesa  
CA 92626  
United States of America

25 June 2003

Dear Ms Azcona,

European Patent Application No. 02707865.8  
(Ex-PCT/US 02/05536)  
Honeywell International Inc  
Our Ref: CJH02460EP  
Your Ref: 54-002-009 724 0027001-3224000  
Honeywell Ref: H0002233 EPO

Thank you for your instructions of 11 June 2003. The necessary papers for this Application (derived from PCT/US 02/05536) to enter the European regional phase have been filed at the EPO.

The Application has the PCT filing date of 21 February 2003 and claims the benefit of your US priority date of 2 March 2001.

While your letter did not specifically state which countries should be designated, as your standing instructions on Honeywell cases when you were with Rutan & Tucker was to designate all available countries, I have taken that we should do the same for this case, and indeed for all other cases that we receive from you. If, however, my understanding in this regard is not correct, would you please let me know, as will of course bear any costs associated with unwanted designations.

I have paid the third year renewal fee.

The EPO will issue its own publication number and the "Supplementary" Search Report in due course. I shall of course

report these to you as soon as possible.

Yours sincerely

A handwritten signature in cursive script, appearing to read "C J Hucker".

C J Hucker

Enc

cc Yvonne Whetsell - Honeywell International Inc (copy letter  
and original debit note)

# RIORDAN & MCKINZIE

A PROFESSIONAL LAW CORPORATION

## LOS ANGELES OFFICE

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TWENTY-NINTH FLOOR  
LOS ANGELES, CALIFORNIA 90071  
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WESTLAKE VILLAGE, CA 91362  
(818) 706-1800 (805) 496-4688  
FAX (818) 706-2956

RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

### VIA DHL WORLDWIDE EXPRESS

Gowling Lafleur Henderson LLP  
1 Place Ville Marie, 37th Floor  
Montreal, QC, Canada H3B 3P4

RE: National Phase Application Based on PCT/US02/05536 filed February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Silinger, et al.  
Honeywell Ref: H0002233 CAN (4015)  
Our Ref: 54-002-008

Dear Sir:

Please file a national phase application based upon the above-referenced PCT application before the 30 month deadline of **September 2, 2003**. Copies of the following PCT papers are enclosed:

PCT Request Form  
Chapter II Demand  
Recorded Assignment  
WIPO Publication  
Formal Drawings  
International Search Report  
Response to the International Search Report  
International Preliminary Examination Report

The applicant is as follows:

- (1) Honeywell International Inc.  
PO Box 2245  
101 Columbia Road  
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Spokane, WA 99216 USA

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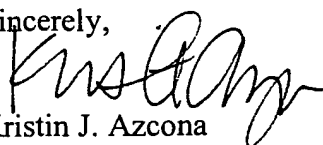
Please also note that Honeywell pays its own maintenance and renewal fees.

Also please send by return fax, copies of (1) the necessary signature papers (such as power of attorney) and (2) a listing of any other requirements (such as certified copy of assignment).

If you have any questions, please feel free to contact this office.

**We would appreciate your confirmation of these instructions by facsimile.**

Sincerely,



Kristin J. Azcona  
Paralegal  
RIORDAN & MCKINZIE

Enclosures

cc: Yvonne Whetsell (w/out encl.)

**GOWLINGS**

Montréal, June 26, 2003

Riordan & McKinzie  
600 Anton Boulevard  
18th Floor  
Costa Mesa, California 92626  
U.S.A.

1 Place Ville Marie  
37<sup>th</sup> Floor  
Montréal, Québec  
Canada H3B 3P4  
Tel 514 878 9641  
Fax 514 878 1450  
www.gowlings.com

**Emmanuel Manolakis**  
Direct 514 392 9592  
Assistant 514 878 1041, ext. 245  
emmanuel.manolakis@gowlings.com

Re: Honeywell International Inc.  
Canadian National Phase of  
PCT International Application PCT/US02/05536  
Internal Heat Spreader Plating Methods And Devices  
Our Reference : L80001337CA  
Your Reference : 54-002-008 **7246628006-3224000**

Dear Sirs:

This is to confirm the National Entry of this PCT application in the Canadian Patent Office on June 23, 2003. We expect to have the official filing certificate for you in about three months from that date. We enclose two copies of our letter of transmittal and the Entry form which we prepared here and which we signed as agents for the applicant, as we are permitted to do. As you know the Canadian filing date for this application is the International filing date of February 21, 2002.

I trust that you received our telefax informing you of the filing of the application.

We filed a copy of the International Search Report and International Preliminary Examination Report, along with the National Entry.

The application will not be taken up for examination until a Request For Examination is filed. Any such request must be filed by February 21, 2007 to avoid abandonment. This request may be filed by the applicant or by any interested party. The Commissioner may also direct that a request be filed by the Applicant. We will remind you approximately one year before the statutory deadline.

An application is automatically opened for public inspection 18 months after the earliest priority date claimed, unless an earlier publication date is approved by the applicant. After issuance, reasonable compensation will likely be payable from the International date of Publication for unauthorized use of the invention.

Annual maintenance fees must be paid beginning not later than the second anniversary of the international filing date noted above, that is by February 21, 2004. For pending cases the Patent Office has indicated that it will only accept correspondence including payment

of maintenance fees, from the agent of record. We assume that the annuity service of Honeywell International Inc. is to take responsibility for providing us with instructions for the payment of those fees while the application is pending. In the absence of instructions, we will not pay maintenance fees and allow the case to become abandoned.

We have filed a copy of the assignment document as received with your instruction letter.

The application is believed to be complete, in good formal order, and ready for examination upon request, in due course.

Thank you for sending this case to us for attention.

If there is anything further, please do not hesitate to write or telephone.

Yours very truly,

**GOWLING LAFLEUR HENDERSON LLP**



Emmanuel Manolakis  
EMM:jm

encl.

# RIORDAN & MCKINZIE

A PROFESSIONAL LAW CORPORATION

LOS ANGELES OFFICE  
300 SOUTH GRAND AVENUE  
TWENTY-NINTH FLOOR  
LOS ANGELES, CALIFORNIA 90071  
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WESTLAKE OFFICE  
5743 CORSA AVENUE, SUITE 116  
WESTLAKE VILLAGE, CA 91362  
(818) 706-1800 (805) 496-4688  
FAX (818) 706-2956

RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

## VIA DHL WORLDWIDE EXPRESS

Singhanian & Co.  
G-107, Himalaya House, 23  
Katsurba Ghandhi Marg  
New Delhi 110 001, INDIA

RE: National Phase Application Based on PCT/US02/05536 filed February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Silinger, et al.  
Honeywell Ref: H0002233 INDIA (4015)  
Our Ref: 54-002-0010

Dear Sir:

Please file a national phase application based upon the above-referenced PCT application before the 30 month deadline of **September 2, 2003**. Copies of the following PCT papers are enclosed:

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Chapter II Demand  
Recorded Assignment  
WIPO Publication  
Formal Drawings  
International Search Report  
Response to the International Search Report  
International Preliminary Examination Report

The applicant is as follows:

- (1) Honeywell International Inc.  
PO Box 2245  
101 Columbia Road  
Morristown, New Jersey, 07960 USA

The inventors are as follows:

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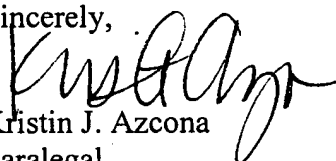
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**We would appreciate your confirmation of these instructions by facsimile.**

Sincerely,



Kristin J. Azcona  
Paralegal  
RIORDAN & MCKINZIE

Enclosures

cc: Yvonne Whetsell (w/out encl.)



# SINGHANIA & CO. LLP

*Solicitors & Advocates*

G-107, Himalaya House  
23, Kasturba Gandhi Marg  
New Delhi 110 001 (INDIA)  
Tel +91 11 2373 1400/2331 8300  
Fax +91 11 2335 4050/2371 3383  
new-delhi@singhania.com

Via Facsimile: 001 714 549 3244

July 29, 2003

Ms. Kristin J. Azcona  
**BINGHAM McCUTCHEN**  
Plaza Tower, 18<sup>th</sup> Floor  
600 Anton Boulevard  
Costa Mesa, CA 92626-1924

Your Ref: **54-002-010**

Our Ref: IP/1175/DELNP/2003/Honeywell

Re: Indian Patent application No. 01175/DELNP/2003 based on International Application No. PCT/US02/05536 for invention titled "INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES" in the name of HONEYWELL INTERNATIONAL INC.

Dear Madam,

We refer to your letter dated June 11, 2003 in the captioned matter.

We have filed the captioned application in the Indian Patent Office on July 29, 2003 and the application has been numbered as 01175/DELNP/2003.

Please arrange to send the following documents / details at your earliest convenience so that we can file the same in Patent Office within 3 months i.e., on or before 29<sup>th</sup> October, 2003.

1) Signature of inventors in Clause 8 on Form 1A attached to this letter in triplicate (please send 3 copies of Form 1A with inventors signature).

2) Following details of applications filed abroad based on this basic application:

Name of the country, Date of application, Application No., Status of the application, Date of publication and Date of Grant.

Bangalore	Kolkata	Chandigarh	Chennai	Hyderabad	London	Mumbai	New York
204A Mittal Tower 6, MG Road Bangalore 560001 Tel 080-5588763 Fax 080-5588393 bangalore@singhania.com	El 1st Floor 75C Park Street Kolkata 700016 Tel 033-2295088 Fax 033-2492751 calcutta@singhania.com	Plot No. 3273 Sector 15-D Chandigarh 160015 Tel 0172-547917 Fax 0172-741254 chandigarh@singhania.com	1 Royal Towers 781-785 AnnaSalai Chennai 600002 Tel 044-8522491 Fax 044-8520280 chennai@singhania.com	614 6th Floor Rajub Khan Palace Hyderabad 500080 Tel 080-3236214 Fax 080-3241779 hyderabad@singhania.com	Second Floor 24 Buckingham Gate London SW1E 6LB Tel 44 207-2335511 Fax 44 207-2335523 SINGHANIAUK@bt.com	31C Mittal Tower Nariman Point Mumbai 400021 Tel 022-2019773 Fax 022-2015960 mumbai@singhania.com	375 Park Avenue Suite 1626 New York, NY 10152 Tel 1-212-563-1222 Fax 1-212-563-1444 new-york@singhania.com

A Division of International Legal Consultants Ltd.



**SINGHANIA & CO. LLP**

Solicitors & Advocates

3) Kindly authorize us to file request for examination of the complete specification within 48 months from the cited filing date. Examination will be done in the order of filing such request and not in the order of filing the initial application.

If you have any questions, please feel free to contact us. Kindly acknowledge this facsimile.

Thanking you  
Yours faithfully,

*Singhania & Co. LLP.*  
Singhania & Co. LLP.

Encl: Form 1A

# RIORDAN & MCKINZIE

A PROFESSIONAL LAW CORPORATION

## LOS ANGELES OFFICE

300 SOUTH GRAND AVENUE  
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LOS ANGELES, CALIFORNIA 90071  
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(818) 706-1800 (805) 496-4688  
FAX (818) 706-2956

RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

### VIA DHL WORLDWIDE EXPRESS

Am Badar & Am Badar  
Jl. Veteran III/7A  
Jakarta, INDONESIA

RE: National Phase Application Based on PCT/US02/05536 filed February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Silinger, et al.  
Honeywell Ref: H0002233 INDO (4015)  
Our Ref: 54-002-0011

Dear Sir:

Please file a national phase application based upon the above-referenced PCT application before the 30 month deadline of **September 2, 2003**. Copies of the following PCT papers are enclosed:

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International Search Report  
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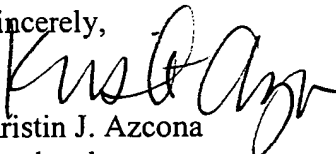
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Sincerely,



Kristin J. Azcona  
Paralegal  
RIORDAN & MCKINZIE

Enclosures

cc: Yvonne Whetsell (w/out encl.)

## LAW OFFICE

# AM BADAR & AM BADAR

Since 1965

PATENT, TRADEMARK,  
COPY RIGHT AND  
DESIGN CASES

President :  
Toetoon Am Badar SH.  
(Attorney at Law)

Hasan Am Badar  
Husein Am Badar  
Nadia Am Badar  
Annisa Am Badar  
Anis Am Badar  
Samira Am Badar  
Hikmah Am Badar  
Yahya Marie  
Mansyur Alwini, SH  
A.R. Karim  
Enny Lubis  
Endang Sukowati  
Sulcandar Amir  
Aan Yohana  
Elis Carliah  
Achmad Luafi  
Nurul Fariha  
Kamal Faisal  
Bonnie Erlando  
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Dyun  
Abdul Kadir  
M. Lukfi  
Amir Fauzi  
Nuraini Oktavia  
Anto Subowo  
Indah Risma  
Mustika Y.  
Sri Rahayuningsih  
Nensang S. Wiyanti  
Isa Muslim  
M. Soleh  
Nadi

Mail Address :  
P.O. BOX 2921 Jakarta  
10001 - Indonesia

Office : 79, Kertamean,  
Jakarta  
also at :  
Jl. Veteran III/7-A  
Jakarta

Phone : (021) 3842849  
(021) 3441209  
Telefax : (021) 3441273  
(021) 3524417  
(021) 34833669

E-mail : ambadar@ambadar.co.id  
http://www.ambadar.co.id

Date : October 20, 2003  
Your Ref. (s) : 54-002-011 2240028008-3224000  
Our ref (s) : P-6849/W-00200301927  
Fax : 1 714 549 3244

BINGHAM McCUTCHEN LLP.  
Plaza Tower  
18<sup>th</sup> Floor,  
600 Anton Boulevard  
Costa Mesa, CA 92626-1924, U.S.A.  
Attn: Ms. Kristin J. Azcona

## FILING ADVICE

Dear Ms. Azcona,

This application has been filed with the following particulars :

PCT APPLICATION No. : PCT/US02/05536  
INT'L FILING DATE : February 21, 2002 (admitted as Filing Date in Indonesia)

APPLICANT(S): HONEYWELL INTERNATIONAL INC.  
P.O. Box 2245, 101 Columbia Road, Morristown, NJ  
07962, U.S.A.

TITLE: INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES

DATE OF NATIONAL PHASE : October 2, 2003

PRIORITY : U.S.A. No. 60/272,805 - March 2, 2001

FILING NUMBER : W-00200301927

INVENTOR(S) : SILINGER, Paul - U.S.A.  
FERY, Mark - U.S.A.

ENCLOSURES : Debit note in duplicate and official Filing receipt

Yours Sincerely,

Nadia Am Badar  
NAB/ta  
Encls.

# RIORDAN & MCKINZIE

A PROFESSIONAL LAW CORPORATION

## LOS ANGELES OFFICE

300 SOUTH GRAND AVENUE  
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(818) 706-1800 (805) 496-4688  
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RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

### VIA DHL WORLDWIDE EXPRESS

Nam & Nam  
8th Fl., Korea Chamber of Commerce &  
Industry Bldg.  
#45 Namdaemoonno 4-ga  
Chung-Ku, Seoul, KOREA

RE: National Phase Application Based on PCT/US02/05536 filed February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Silinger, et al.  
Honeywell Ref: H0002233 KOR (4015)  
Our Ref: 54-002-0012

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Chapter II Demand  
Recorded Assignment  
WIPO Publication  
Formal Drawings  
International Search Report  
Response to the International Search Report  
International Preliminary Examination Report

The applicant is as follows:

- (1) Honeywell International Inc.  
PO Box 2245  
101 Columbia Road  
Morristown, New Jersey, 07960 USA

The inventors are as follows:

- (1) Paul Silinger  
E 10914 Ferret Drive  
Spokane, WA 99216 USA
- (2) Mark Fery  
E. 023 Elde Drive  
Spokane, WA 99216 USA

Please note that all correspondence regarding procedural and/or substantive matters should be directed to the undersigned, but all invoices should be directed to Yvonne Whetsell at Honeywell International, Inc., PO Box 2245, 101 Columbia Road, Morristown, New Jersey 07962.

Please also note that Honeywell pays its own maintenance and renewal fees.

Also please send by return fax, copies of (1) the necessary signature papers (such as power of attorney) and (2) a listing of any other requirements (such as certified copy of assignment).

If you have any questions, please feel free to contact this office.

**We would appreciate your confirmation of these instructions by facsimile.**

Sincerely,



Kristin J. Azcona

Paralegal

RIORDAN & MCKINZIE

Enclosures

cc: Yvonne Whetsell (w/out encl.)

NAM &amp; NAM

ESTD. 1952  
 Postal Address:  
 Kwang Hwa Moon P.O.Box 58  
 Seoul, Korea  
 Office Address:  
 9th Fl., Maekyung Media Center  
 30.1-Ga, Pil-Dong,  
 Jung-Ku, Seoul 100-728  
 Korea



**NAM & NAM**  
**WORLD PATENT & LAW FIRM**  
 Patents, Trademarks, Designs  
 Copyrights, Licensing, Litigation

FAX : (822) 753 - 7315  
 (822) 755 - 3181  
 Direct Telephone Number :  
 82-1391-20-7000  
 TEL : (822) 753 5477  
 E-Mail : nampat@nampat.co.kr  
 www.nampat.co.kr

August 5, 2003

Ms. Kristin J. Azcona  
 Paralegal  
 Bingham McCutchen LLP  
 Plaza Tower, 18<sup>th</sup> Floor  
 600 Anton Boulevard  
 Costa Mesa, CA 92626-1924  
 U. S. A.

Fax No. 714-549-3244

Re: Confirmation of entry of a PCT Application into the  
 Korean National Phase of PCT/US2002/05536  
 Applicant: Honeywell International Inc.  
 Honeywell Ref.: H0002233 KOR (4015)  
 Your Ref.: 54-002-0012 9240028009-3224000  
 Our Ref.: PE-18492/LKJ

Dear Ms. Azcona:

The above-identified application was filed with KIPO on August 5, 2003.

A copy of the filed application and its official receipt will follow in due course.

With best regards,

Yours sincerely,

So-young JEON (Ms.)  
 Patent Administrator

SSN/jsy



# RIORDAN & McKINZIE

A PROFESSIONAL LAW CORPORATION

## LOS ANGELES OFFICE

300 SOUTH GRAND AVENUE  
TWENTY-NINTH FLOOR  
LOS ANGELES, CALIFORNIA 90071  
TELEPHONE (213) 629-4824  
FAX (213) 229-8550

PLAZA TOWER, 18TH FLOOR  
600 ANTON BOULEVARD  
COSTA MESA, CALIFORNIA 92626-1924  
(714) 433-2900  
FAX (714) 549-3244

## WESTLAKE OFFICE

5743 CORSA AVENUE, SUITE 116  
WESTLAKE VILLAGE, CA 91362  
(818) 706-1800 (805) 496-4688  
FAX (818) 706-2956

RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

### VIA DHL WORLDWIDE EXPRESS

Drew & Napier  
20 Raffles Place, #17-00  
Ocean Towers 0104, SINGAPORE

RE: National Phase Application Based on PCT/US02/05536 filed February 21, 2002  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Silinger, et al.  
Honeywell Ref: H0002233 SING (4015)  
Our Ref: 54-002-0013

Dear Sir:

Please file a national phase application in Singapore based upon the above-referenced PCT application before the 30 month deadline of **September 2, 2003**. Copies of the following PCT papers are enclosed:

PCT Request Form  
Chapter II Demand  
Recorded Assignment  
WIPO Publication  
Formal Drawings  
International Search Report  
Response to the International Search Report  
International Preliminary Examination Report

The applicant is as follows:

- (1) Honeywell International Inc.  
PO Box 2245  
101 Columbia Road  
Morristown, New Jersey, 07960 USA

**RIORDAN & MCKINZIE**

A PROFESSIONAL LAW CORPORATION

Drew & Napier

June 11, 2003

Page 2

The inventors are as follows:

- (1) Paul Silinger  
E 10914 Ferret Drive  
Spokane, WA 99216 USA
- (2) Mark Fery  
E. 023 Elde Drive  
Spokane, WA 99216 USA

Please note that all correspondence regarding procedural and/or substantive matters should be directed to the undersigned, but all invoices should be directed to Yvonne Whetsell at Honeywell International, Inc., PO Box 2245, 101 Columbia Road, Morristown, New Jersey 07962.

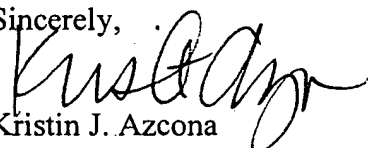
Please also note that Honeywell pays its own maintenance and renewal fees.

Also please send by return fax, copies of (1) the necessary signature papers (such as power of attorney) and (2) a listing of any other requirements (such as certified copy of assignment).

If you have any questions, please feel free to contact this office.

**We would appreciate your confirmation of these instructions by facsimile.**

Sincerely,

  
Kristin J. Azcona  
Paralegal  
RIORDAN & MCKINZIE

Enclosures

cc: Yvonne Whetsell (w/out encl.)

# DREW & NAPIER LLC

Advocates & Solicitors • Trademark & Patent Agents

23 JUL 2003

Via Facsimile / Airmail  
Fax : 012 1 714 549 3244  
1 Page Only

BINGHAM MCCUTCHEN LLP  
600 ANTON BOULEVARD, 18TH FLOOR  
COSTA MESA, CALIFORNIA 92626-1924  
UNITED STATES OF AMERICA

For KRISTIN AZCONA

20 Raffles Place #17-00

Ocean Towers

Singapore 048620

Office Hours: Mon-Fri 9.00 am - 5.30 pm

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T +65 6535 0733

+65 9726 0573 (After Hours)

F +65 6533 0694/0765

E gerald.koh@drewnapier.com

www.drewnapier.com

WE DO NOT ACCEPT SERVICE OF  
COURT DOCUMENTS BY FAX

Please quote our ref. in reply

OUR REF MJ/HM/sind/PAT/8113689

YOUR REF 54-002-0013 ~~7240023010-322400~~  
H0002233 SING (4015)

---

*This document is confidential and may be privileged. If you are not the intended recipient, please notify us immediately;  
you should not copy it or use it for any purposes, or disclose its contents to any other person.*

---

Dear Sirs,

## Singapore Patent Application

Applicant : HONEYWELL INTERNATIONAL INC.

Invention : INTERNAL HEAT SPREADER PLATING METHODS AND  
DEVICES

Proceeding under Section 86(3) of Int'l Application No. PCT/US02/05536

Thank you for your instructions to file the above mentioned patent application.

We confirm that we have filed the said patent application at the Intellectual Property Office of Singapore on 22 July 2003. A copy of the documents as lodged is enclosed with the confirmation copy of this letter for your file and records.

We shall keep you informed as soon as we have received the official filing particulars.

Yours faithfully,

  
Morris John/Gerald Koh

Enc

Practitioner's Docket No. 54-002-004  
Honeywell Docket No. H0002233 US (4015)

**CHAPTER II**

Preliminary Classification:

Proposed Class:

Subclass:

**TRANSMITTAL LETTER  
TO THE UNITED STATES ELECTED OFFICE (EO/US)**

**(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)**

PCT/US02/05536	21 February 2002 (21.02.02)	2 March 2001 (02.03.01)
International Application Number	International Filing Date	International Earliest Priority Date

TITLE OF INVENTION: INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES  
APPLICANT(S): Paul SILINGER; and Mark FERY

Mail Stop PCT  
PO Box 1450  
Alexandria, VA 22313-1450  
ATTENTION: EO/US

**CERTIFICATION UNDER 37 C.F.R. SECTION 1.10\***

*(Express Mail label number is mandatory.)*

*(Express Mail certification is optional.)*

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date **June 11, 2003**, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number **EV406604014US**, addressed to the: Assistant Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

**EV406604014US**

  
Kristin J. Azcona

**WARNING:** Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. Section 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

**\*WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. Section 1.10(b).

"Since the filing of correspondence under [Section] 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. Section 371:

- a. This express request to immediately begin national examination procedures (35 U.S.C. Section 371(f)).
- b. The U.S. National Fee (35 U.S.C. Section 371(c)(1)) and other fees (37 C.F.R. Section 1.492) as indicated below:

2. Fees

CLAIMS FEE*	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
BASIC FEE	TOTAL CLAIMS	18 -20 =	0	x \$18.00 =	\$0.00
	INDEPENDENT CLAIMS	5 - 3 =	2	x \$84.00 =	\$168.00
	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$270.00				\$0.00
	U.S. PTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where an International preliminary examination fee as set forth in Section 1.482 has been paid on the international application to the U.S. PTO: and the international preliminary examination report states that the criteria of novelty, inventive step (non-obviousness) and industrial activity, as defined in PCT Article 33(2) to (4) have been satisfied for all the claims presented in the application entering the national stage (37 C.F.R. Section 1.492(a)(4)) ..... \$100.00				\$100.00
SMALL ENTITY	Total of above Calculations				= \$268.00
	Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed. (note 37 CFR Sections 1.9, 1.27, 1.28)				Not Applicable
	Subtotal				\$268.00
	Total National Fee				\$268.00
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. Section 1.21(h)). See attached "ASSIGNMENT COVER SHEET".				\$0.00
TOTAL	Total Fees enclosed				\$268.00

\*See attached Preliminary Amendment Reducing the Number of Claims.

Please charge deposit account No.501367 in the amount of \$268.00 to cover the above fees.

3. A copy of the International application as filed (35 U.S.C. Section 371(c)(2)) is not required, as the application was filed with the United States Receiving Office.
4. A translation of the International application into the English language (35 U.S.C. Section 371(c)(2)) is not required as the application was filed in English.
5. Amendments to the claims of the International application under PCT Article 19 (35 U.S.C. Section 371(c)(3)) are transmitted herewith.
6. A translation of the amendments to the claims under PCT Article 19 (38 U.S.C. Section 371(c)(3)) is not required as the amendments were made in the English language.
7. A copy of the international examination report (PCT/IPEA/409) is not required as the application was filed with the United States Receiving Office.
8. Annex(es) to the international preliminary examination report is/are not required as the application was filed with the United States Receiving Office.
9. A translation of the annexes to the international preliminary examination report is not required as the annexes are in the English language.
10. An oath or declaration of the inventor (35 U.S.C. Section 371(c)(4)) complying with 35 U.S.C. Section 115 is not submitted and such oath or declaration will be submitted at a later date.

II. Other document(s) or information included:

11. An International Search Report (PCT/ISA/210) or Declaration under PCT Article 17(2)(a) is not required, as the application was searched by the United States International Searching Authority.
12. An Information Disclosure Statement under 37 C.F.R. Sections 1.97 and 1.98 will be transmitted within THREE MONTHS of the date of submission of requirements under 35 U.S.C. Section 371(c).
13. Additional documents:
  - a. Copy of request (PCT/RO/101)
  - b. Front Page of Publication WO02/070144
14. The above items are being transmitted before 30 months from any claimed priority date.

## AUTHORIZATION TO CHARGE ADDITIONAL FEES

The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No.: 501367

37 C.F.R. Section 1.492(a)(1), (2), (3), and (4) (filing fees)

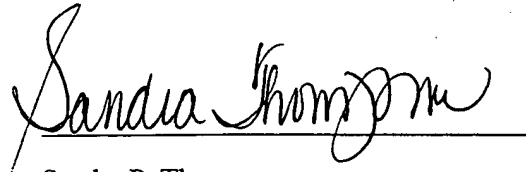
37 C.F.R. Section 1.492(b), (c), and (d) (presentation of extra claims)

37 C.F.R. Section 1.17 (application processing fees)

37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to Section 1.136(a))

37 C.F.R. Section 1.492(e) and (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 20 months after the priority date).

Date: June 11, 2003

A handwritten signature in cursive script, reading "Sandra Thompson", is written over a horizontal line.

Sandra P. Thompson  
Riordan & McKinzie  
600 Anton Blvd., 18<sup>th</sup> Floor  
Costa Mesa, CA 92626  
USA

## PCT REQUEST

100686.02PCT

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.01.2002)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	100686.02PCT
I	Title of invention	INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	HONEYWELL INTERNATIONAL INC.
II-5	Address:	P.O. Box 2245 101 Columbia Road Morristown, NJ 07962 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	973-455-2000
II-9	Facsimile No.	973-455-4807
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	SILINGER, Paul
III-1-5	Address:	HONEYWELL INTERNATIONAL INC. P.O. Box 2245 101 Columbia Road Morristown, NJ 07962 United States of America
III-1-6	State of nationality	US
III-1-7	State of residence	US



## PCT REQUEST

100686.02PCT

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	FERY, Mark
III-2-5	Address:	HONEYWELL INTERNATIONAL INC. P.O. Box 2245 101 Columbia Road Morristown, NJ 07962 United States of America
III-2-6	State of nationality	US
III-2-7	State of residence	US
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	ZOETEWEEY, David
IV-1-2	Address:	RUTAN & TUCKER, LLP 611 Anton Blvd., 14th Floor Costa Mesa, CA 92626 United States of America
IV-1-3	Telephone No.	714-641-5100
IV-1-4	Facsimile No.	714-546-9035
IV-1-5	e-mail	dzoetewey@rutan.com
IV-1-5	Agent's registration No.	45258
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	FISH, Robert(33880)
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE CH&LI CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT

## PCT REQUEST

100686.02PCT

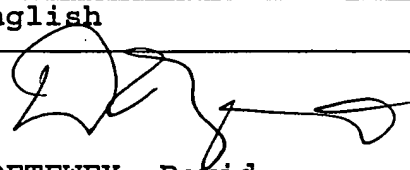
Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT (patent and utility model) AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ (patent and utility model) DE (patent and utility model) DK (patent and utility model) DM DZ EC EE (patent and utility model) ES FI (patent and utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
V-3	National Patent (States which have become party to the PCT after the issuance of this version of EASY)	ALL
V-5	Precautionary Designation Statement  In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	02 March 2001 (02.03.2001)
VI-1-2	Number	60/272,805
VI-1-3	Country	US
VI-2	Priority document request  The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1
VII-1	International Searching Authority Chosen	United States Patent and Trademark Office (USPTO) (ISA/US)

## PCT REQUEST

100686.02PCT

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	7	-
IX-3	Claims	4	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	5	-
IX-7	TOTAL	22	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract	2	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	ZOETEWEEY, David	

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/US
10-6	Transmittal of search copy delayed until search fee is paid	

**PCT REQUEST**

100686.02PCT

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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**PCT (ANNEX - FEE CALCULATION SHEET)**

100686.02PCT

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

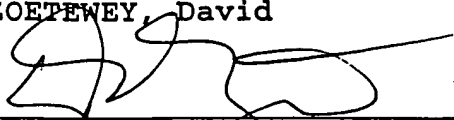
(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only		
0-1	International Application No.		
0-2	Date stamp of the receiving Office		
0-4	Form - PCT/RO/101 (Annex) PCT Fee Calculation Sheet		
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.01.2002)	
0-9	Applicant's or agent's file reference	100686.02PCT	
2	Applicant	HONEYWELL INTERNATIONAL INC., et al.	
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (USD)
12-1	Transmittal fee T	⇒	240
12-2-1	Search fee S	⇒	700
12-2-2	International search to be carried out by	US	
12-3	International fee		
	Basic fee (first 30 sheets) b1	407	
12-4	Remaining sheets	0	
12-5	Additional amount (X)	9	
12-6	Total additional amount b2	0	
12-7	b1 + b2 = B	407	
12-8	Designation fees		
	Number of designations contained in international application	94	
12-9	Number of designation fees payable (maximum 5)	5	
12-10	Amount of designation fee (X)	88	
12-11	Total designation fees D	440	
12-12	PCT-EASY fee reduction R	-125	
12-13	Total International fee (B+D-R) I	⇒	722
12-14	Fee for priority document		
	Number of priority documents requested	1	
12-15	Fee per document (X)	15	
12-16	Total priority document fee P	⇒	15
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	1,677
12-19	Mode of payment	cheque	
12-20	Deposit account instructions		
	The receiving Office:	United States Patent and Trademark Office (USPTO) (RO/US)	
12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	✓	
12-20-3	Authorization to charge the fee for priority document.	✓	

## PCT (ANNEX - FEE CALCULATION SHEET)

100686.02PCT

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

12-21	Deposit account No.	500341
12-22	Date	21 February 2002 (21.02.2002)
12-23	Name and signature	ZOETWEY, David 

## VALIDATION LOG AND REMARKS

13-2-2	Validation messages States	Yellow! Additional national designation added: Obtain updated maintenance tables rather than using this field.
13-2-7	Validation messages Contents	Yellow! The power of attorney or a copy of the general power of attorney will need to be furnished unless all applicants sign the request form.
		Green? The abstract appears to be more than 150 words, applicant is reminded that it should be as concise as the disclosure permits (preferably 50 to 150 words if it is in English or when translated into English)

Original (for SUBMISSION) - printed on 21.02.2002 11:44:00 AM

**PCT-EASY INFORMATION SHEET**

(For applicant use only, DO NOT submit this sheet with the international application)

**VALIDATION LOG**

Yellow!	<b>States</b> Additional national designation added: Obtain updated maintenance tables rather than using this field.
Yellow!	<b>Contents</b> The power of attorney or a copy of the general power of attorney will need to be furnished unless all applicants sign the request form.
Green?	The abstract appears to be more than 150 words, applicant is reminded that it should be as concise as the disclosure permits (preferably 50 to 150 words if it is in English or when translated into English)

Before submitting the International Application, please carefully verify that:

- the information contained on printed Request form is correct;
- Box X of the Request form has been signed;
- all elements of the international application as indicated in Boxes VIII and IX of the Request form have been attached; and,
- the diskette containing the PCT-EASY zip file of the International Application has been enclosed and has been clearly labeled "PCT-EASY", with the applicant's or agent's file reference, and the first applicant's name.

**ATTENTION**

DO NOT modify any indications on the Request form printout. The electronic version of the PCT-EASY application has been locked. If an error or an omission is discovered at this time, you must reopen the stored form for submission, perform necessary amendments and immediately resubmit the form. Finally, a NEW submission diskette must be created manually by resending the corrected stored form to the diskette. The previously created printout and submission diskette must be destroyed in order to prevent the possibility of erroneously sending it to the RO.

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
12 September 2002 (12.09.2002)

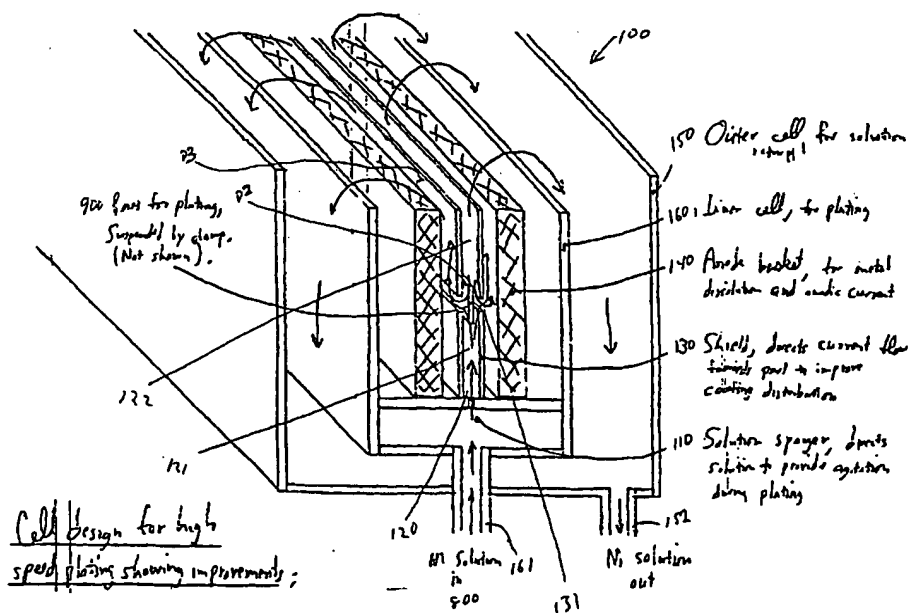
PCT

(10) International Publication Number  
WO 02/070144 A1

- (51) International Patent Classification<sup>7</sup>: B05C 3/00, 3/02, C25D 17/00, 5/00, 7/06
- (21) International Application Number: PCT/US02/05536
- (22) International Filing Date: 21 February 2002 (21.02.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/272,805 2 March 2001 (02.03.2001) US
- (71) Applicant (for all designated States except US): HONEYWELL INTERNATIONAL INC. [US/US]; P.O. Box 2245, 101 Columbia Road, Morristown, NJ 07962 (US).
- (72) Inventors; and
- (73) Inventors/Applicants (for US only): SILINGER, Paul [US/US]; Honeywell International Inc., P.O. Box 2245, 101 Columbia Road, Morristown, NJ 07962 (US). FERY, Mark [US/US]; Honeywell International Inc., P.O. Box 2245, 101 Columbia Road, Morristown, NJ 07962 (US).
- (74) Agents: ZOETEWEE, David et al.; Rutan & Tucker, LLP, 611 Anton Blvd., 14th Floor, Costa Mesa, CA 92626 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), DE (utility model), DK (utility model), DM, DZ, EC, EE (utility model), ES, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: INTERNAL HEAT SPREADER PLATING METHODS AND DEVICES



(57) Abstract: An improved method and plating system (100) comprising a plurality of non-electrically conductive shields (130) forming an elongated upper channel (122) and an elongated lower channel (121); a plating solution sparger comprising a series of inlets oriented to direct any plating solution flowing through the inlets into the lower channel and towards the upper channel; a plurality of anodes positioned outside and along the length of the upper and lower channels; said method comprising submerging a workpiece (900) in the plating solution; positioning the workpiece at least partially within the channels, and causing electrical current



COPY

IN THE INTERNATIONAL BUREAU (WIPO)

International Application Number	International Filing Date	International Earliest Priority Date
PCT/US02/05536	21 February 2002	02 March 2001

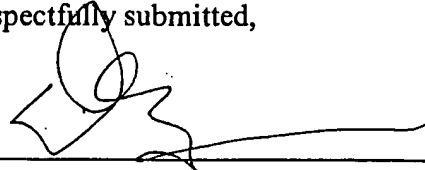
Title of Invention: Internal Heat Spreader Plating Methods and Devices  
Applicant: Honeywell International, Inc.

International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20  
Switzerland

LETTER FOR PCT ARTICLE 19  
(PCT SECTION 205)

1. Applicant herewith submits replacement sheets(s) number(ed) 8-11 to replace sheet(s) number(ed) 8-11 originally filed for this application.
2. In respect of each claim appearing in the international application based on the replacement sheets submitted herewith, and in accordance with PCT Section 205, the following claim(s) is/are:
  - (i) unchanged: claim(s) 3-14, 16-18
  - (ii) cancelled: claim(s) 0
  - (iii) new: claim(s) 0
  - (iv) replacement of one or more claims as filed, as follows: 1, 2, 15
  - (v) the result of the division of one or more claims as filed, as follows: 0

Respectfully submitted,

  
\_\_\_\_\_  
David J. Zoetewey, Esq.

Attorneys for Applicant(s)  
Post Office Box 1950  
Costa Mesa, CA 92628-1950  
Tel: (714) 641-5100  
Fax: (714) 546-9035

CLAIMS

What is claimed is:

1. A plating system comprising:  
at least two anodes;  
an elongated upper channel and an elongated lower channel, each of the upper and lower channels positioned between the at least two anodes and each of the channels comprising at least two insulating sides; and  
a plating solution sparger comprising a series of inlets oriented to direct any plating solution flowing through the inlets into one and towards another of the upper and lower channels.
2. A plating system comprising:  
an elongated upper channel and an elongated lower channel;  
a plating solution sparger comprising a series of inlets oriented to direct any plating solution flowing through the inlets into one and towards another of the upper and lower channels;  
an anode; and  
a substantially planar cathode comprising a first surface conductive surface, a second conductive surface, and a perimeter edge, the first conductive surface and second conductive surfaces being substantially parallel to each other and positioned on opposite sides of the cathode; wherein  
the sparger is positioned at least as close to the perimeter edge of the cathode as to either of the first or second conducting surfaces.
3. The system of claim 2 wherein the sparger directs any plating solution flowing through the inlets towards the cathode in a plane substantially coplanar with the cathode.
4. The system of claim 3 wherein:  
each of the upper and lower channels comprises two substantially planar and parallel non electrically conductive sides that are substantially parallel to the cathode; and  
the cathode is positioned at least partially within each of the upper and lower channels between the non electrically conductive sides.

5. The system of claim 4 wherein:  
the upper and lower channels are positioned opposite each other and are separated from each other, the separation between the channels forming a pair of solution egress slots; and  
the channels are adapted to prevent current from flow between the anode and cathode other than through the egress slots.
6. The system of claim 5 wherein the egress slots are positioned approximately parallel to a center line of the cathode.
7. The system of claim 6 wherein the cathode comprises a dielectric substrate and the conductive surfaces are adapted to promote the formation of heat spreaders on the dielectric substrate.
8. The system of claim 1 wherein each of the upper channel and lower channel have a width less than or equal to one inch.
9. The system of claim 1 wherein the sparger is positioned horizontally and directs any plating solution flowing through the inlets into the lower channel and towards the upper channel.
10. The system of claim 1 wherein each of the upper channel and lower channel have a width less than or equal to 0.5 inches.
11. The system of claim 1 wherein each of the upper channel and lower channel have a width less than or equal to 0.5 inches, and the further comprising a plurality of part holding clamps electrically coupled to a power source and positioned within the upper channel or the lower channel.
12. The system of claim 1 further comprising a plurality of anodes positioned outside and along the length of the upper and lower channels.
13. The system of claim 1 wherein the upper channel and lower channel are separated by a distance and at least one of the upper channel and lower channel are adapted to be moved to vary the distance.
14. The system of claim 1 wherein the shortest distance from a part being plated to a channel wall is less than the shortest distance between the channel wall and an anode.

15. A plating system comprising:  
an anode, a planar cathode, a sparger, and a plurality of electrically insulating shields;  
wherein  
each of the plurality of shields is positioned between the anode and the cathode but not  
between the sparger and the cathode, and each of the plurality of shields is  
approximately co-planar with one of two reference planes that are substantially  
parallel to the cathode; and  
the sparger is adapted to direct plating fluid toward an edge of the cathode in a plane  
substantially co-planar with the cathode.
16. A method of plating a work piece comprising:  
submerging a work piece to be plated in a volume of plating solution;  
positioning a work piece to be plated at least partially within an upper plating channel  
and a lower plating channel, the upper and lower plating channels comprising non  
electrically conductive sides, the channels being positioned opposite each other  
and being separated from each other, the separation between the channels forming  
a pair of solution egress slots positioned approximately over the center of the  
work piece to be plated;  
causing electrical current to flow between the work piece and one or more anodes, the  
current flowing into the upper and lower channels only after passing through the  
solution egress slots; and  
moving the work piece to be plated along the length of the plating channels to form one  
or more internal heat spreaders on a surface of the work piece which is essentially  
parallel to the shields.
17. The method of 16 further comprising:  
coupling the work piece to a frame adapted to hold and move the work piece during  
plating;  
after plating, performing a first rinse and dry cycle wherein at least a portion of the frame  
is rinsed and dried while the work piece is kept damp;  
after the first rinse and dry cycle, performing a second rinse and dry cycle wherein the  
work piece is rinsed and dried.

COPY

18. The method of claim 17 wherein water is used in the first and second rinse cycles, and the second rinse cycle utilizes water having fewer impurities than that used in the first rinse cycle.

Please acknowledge receipt of the following by affixing hereon the Official date stamp and returning this card to our office.

Title	U.S. National Phase Application
Inventor	Internal Heat Spreader Plating Methods and Devices
Filing Date	Honeywell, Silinger, et al.
Serial Number	June 11, 2003
Date of Deposit	June 11, 2003
Matter #	54-002-004
Enclosures	(1) Transmittal (4 pages); (2) Copy of WIPO (1 page); (3) Copy of PCT Request (8 pages); (4) Copy of Article 19 Amendments (5 pages); and (5) postcard

DATE MAILED: 6/11/03 SBU: 4015  
PATENT APPLICATION FOR Internal Heat Spreader  
Plating Methods and Devices  
INVENTOR(S): Silinger, et al.

THE FOLLOWING HAS BEEN RECEIVED IN THE U.S. PATENT AND TRADEMARK OFFICE ON THE DATE STAMPED HEREON:

☒ Transmittal Cover Sheet  
☒ Patent Application  
\_\_\_\_\_ page(s) specifications  
\_\_\_\_\_ page(s) claims  
\_\_\_\_\_ page(s) abstract  
\_\_\_\_\_ sheet(s) of drawings ☐ formal ☐ informal  
☐ Declaration/Power of Attorney ☐ executed ☐ unexecuted  
☐ Assignment and Cover Sheet; \$ \_\_\_\_\_  
☐ Information Disclosure Statement ☐ Form PTO 1449 with \_\_\_\_\_ References  
☐ Preliminary Amendment (\_\_\_\_\_ page(s))  
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Attorney Docket No.: H00022376 US Attorney: \$ Kirschner  
Outside Counsel: Bjordan

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Multiple Independent Claim: \$ \_\_\_\_\_

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54-002-004

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A PROFESSIONAL LAW CORPORATION

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(818) 706-1800 (805) 496-4688  
FAX (818) 706-2956

RICHARD J. RIORDAN  
(RETIRED)

FILE NO.

June 11, 2003

Yvonne Whetsell  
Honeywell International Inc.  
101 Columbia Road  
PO Box 2245  
Morristown, NJ 07962-1057

RE: Application Serial No. (Not Yet Assigned)  
Internal Heat Spreader Plating Methods and Devices  
Honeywell - Fery, et al.  
Your Ref: H0002233 US (4015)  
Our Ref: 54-002-004

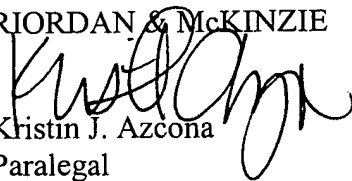
Dear Yvonne:

Enclosed for your file is a copy of the U.S. National Phase Application we filed today in the above-referenced matter.

There is nothing further to do at this time.

Sincerely,

RIORDAN & MCKINZIE

  
Kristin J. Azcona  
Paralegal

Enclosure



Kristin Azcona  
Direct Phone: (714) 433-2616  
kristin.azcona@bingham.com

July 23, 2003

Paul Silinger  
E. 10914 Ferret Drive  
Spokane, WA 99216

Bingham McCutchen LLP  
Plaza Tower  
18th Floor  
600 Anton Boulevard  
Costa Mesa, CA  
92626-1924  
  
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RE: Application Serial No. (Not Yet Assigned)  
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Honeywell – Fery, et al.  
Honeywell Ref: H0002233 US (4015)  
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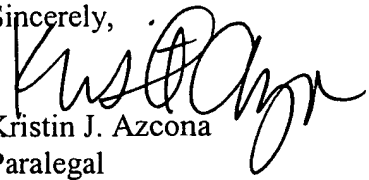
Dear Paul:

The three-month anniversary of the filing date of your application is approaching, and we will shortly be considering whether an Information Disclosure Statement (IDS) needs to be filed for this matter. **If you are aware of any patents, publications, or other information disclosing subject matter similar to that claimed in your application, please contact us as soon as possible.** As a reminder, you have a continuing duty to disclose information relevant to the patentability of the claims in your application. **Failure to disclose any such information may affect the validity of your patent.** If you are unsure of the relevance of any information, please contact us to discuss its relevance. We will review any information you provide while considering whether an IDS needs to be filed.

If we do not hear from you within a week, we will presume that you do not have any information at this time that needs to be disclosed and will base our decision as to whether to file an IDS solely on information already known to us.

If any relevant information becomes known to you in the future, please contact us as soon as possible thereafter, as another IDS should be filed within 3 months of your becoming aware of the information.

Sincerely,

  
Kristin J. Azcona  
Paralegal

Kristin Azcona  
Direct Phone: (714) 433-2616  
kristin.azcona@bingham.com

July 23, 2003

Mark Fery  
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Costa Mesa, CA  
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RE: Application Serial No. (Not Yet Assigned)  
Internal Heat Spreader Plating Methods and Devices  
Honeywell – Fery, et al.  
Honeywell Ref: H0002233 US (4015)  
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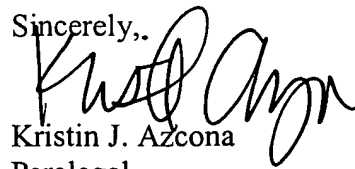
Dear Mark:

The three-month anniversary of the filing date of your application is approaching, and we will shortly be considering whether an Information Disclosure Statement (IDS) needs to be filed for this matter. **If you are aware of any patents, publications, or other information disclosing subject matter similar to that claimed in your application, please contact us as soon as possible.** As a reminder, you have a continuing duty to disclose information relevant to the patentability of the claims in your application. **Failure to disclose any such information may affect the validity of your patent.** If you are unsure of the relevance of any information, please contact us to discuss its relevance. We will review any information you provide while considering whether an IDS needs to be filed.

If we do not hear from you within a week, we will presume that you do not have any information at this time that needs to be disclosed and will base our decision as to whether to file an IDS solely on information already known to us.

If any relevant information becomes known to you in the future, please contact us as soon as possible thereafter, as another IDS should be filed within 3 months of your becoming aware of the information.

Sincerely,

  
Kristin J. Azcona  
Paralegal



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231**

Inventor: **Fery et al.**

Serial No: **US National Phase**

**Application related to PCT/US02/05536  
and to Current Application 10/765782**

Filed: **June 11, 2003**

For: **Internal Heat Spreader  
Plating Methods and Devices**

Examiner: **Not Assigned Yet**

Art Unit: **Not Assigned Yet**

**DECLARATION OF KRISTIN J. AZCONA FOR PETITION UNDER 37 CFR § 1.10**

I, the undersigned, Kristin J. Azcona, hereby declare as follows:

1. I am an intellectual property senior paralegal with the firm of Bingham McCutchen LLP.
2. On February 20, 2003, I received instructions from Sandra Thompson to prepare a National Phase Application claiming priority to PCT Application Serial No.: PCT/US02/05536 and to mail that application to China and Japan. I prepared instruction letters for the Foreign Associates in China and Japan, reviewed these letters with Sandra Thompson, received approval to mail, and mailed via DHL WorldWide Express, along with copies of the PCT Application and related prosecution documents. I received confirmation of receipt letters from each Foreign Associate during the next two weeks and forwarded copies of these letters to Sandra Thompson for review. Both of these applications and letters reached their respective destinations and were timely filed with their respective Patent Offices. (See Exhibit A for true and correct copies of letters and confirmations of receipt from our Foreign Associates)
3. On June 11, 2003, I received instructions from Sandra Thompson to prepare a National Phase Application claiming priority to PCT Application Serial No.: PCT/US02/05536 and to mail that application to Europe, Canada, Indonesia, India, Korea, Singapore and the United States. I prepared instruction letters for the Foreign Associates in Europe, Canada, Indonesia, India, Korea and Singapore, reviewed these letters with Sandra Thompson, received approval to mail, and mailed via DHL WorldWide Express, along with copies of the PCT Application and related prosecution documents. I received confirmation of receipt letters from each Foreign Associate during the next two weeks and forwarded copies of these letters to Sandra Thompson for review. Both of these applications and letters reached their respective destinations and were timely filed with their respective Patent Offices. (See Exhibit A for true and correct copies of letters and confirmations of

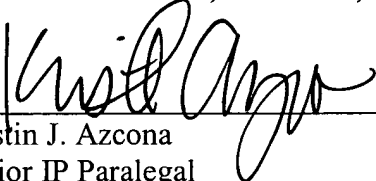
receipt from our Foreign Associates)

4. On June 11, 2003, I prepared the documents for a United States National Phase Application claiming priority to PCT/US02/05536 was filed by Express Mail – Post Office to Addressee – Number EV406604014US. I reviewed these documents with Sandra Thompson. I properly placed this Express Mail number on the application correspondence sent to the USPTO. I properly prepared, dated and placed the Riordan & McKinzie Express Mail Account Number on the Express Mail label. I deposited this National Phase Application that day in the Riordan & McKinzie mailroom drop box and updated the Riordan & McKinzie Orange County Intellectual Property Group Express Mail Log. (See Exhibit B for a true and correct copy of paperwork filed with copy of Express Mail label and Exhibit F – a true and correct copy of Express Mail Log showing the attorney docket number; the place and date of deposit; the time of the last scheduled pick-up for that date and place of deposit; the depositor's initials or signature; and the date of entry in the log)
5. On June 11, 2003, I prepared and sent a letter to the client via USPS First Class Mail, addressed to Yvonne Whetsell, Honeywell International Inc., PO Box 2245, 101 Columbia Road, Morristown, NJ 07962, enclosing a copy of the documents filed in the US National Phase on June 11, 2003. Sandra Thompson reviewed this letter before mailing. (See Exhibit C showing a true and correct copy of this letter).
6. I received the Customer Copy of the Express Mail – Post Office to Addressee – Number EV406604014US label by mail with the “Date In” showing June 11, 2003 and the USPS mail stamp showing the date of deposit as June 11, 2003. (See Exhibit D showing a true and correct copy of the Customer Copy of the Express Mail label received by our office). I checked the Express Mail Log, updated our client records, made a copy of the Express Mail label for Sandra Thompson and placed the original in the bin to be filed.
7. On July 23, 2003, I prepared and sent a letter to the inventors – Mark Fery and Paul Silinger – stating that “**The three-month anniversary of the filing date of your application is approaching**, and we will shortly be considering whether an Information Disclosure Statement (IDS) needs to be filed for this matter.” (emphasis added) Sandra Thompson also reviewed these letters prior to mailing. (See Exhibit C showing a true and correct copy of both letters mentioned in this point).
8. Both the June 11, 2003 and the July 23, 2003 letters to Yvonne Whetsell, Mark Fery and Paul Silinger exhibit my good faith belief that the US National Phase Application had been filed with a filing date of June 11, 2003.
9. I was out on maternity leave from July, 2003 until on or near the end of 2003.

10. I reviewed my hours and the file for the matter when I returned from maternity leave and did confirm that I had deposited the Express Mail package in the firm's drop box on June 11, 2003 and filled out the proper sections on the Express Mail Log. This action from June 11, 2003 on my part was further confirmed by reviewing the Express Mail Log. (See Exhibit F – a true and correct copy of Express Mail Log showing the attorney docket number; the place and date of deposit; the time of the last scheduled pick-up for that date and place of deposit; the depositor's initials or signature; and the date of entry in the log).
11. In February 2004, I worked with Sandra Thompson to conduct a detailed review of all of the mail that had been deposited by the intellectual property group and several attorneys from the other practices at the firm from the time period of April 1, 2003 to February 29, 2004 and discovered that several items sent by Express Mail – Post Office to Addressee and sent by USPS First Class Mail had not been received at their destination, including Express Mail and First Class Mail sent to Honeywell International Inc. (the Applicant herein), two pro bono clients and various personal contacts.
12. I hereby declare that all statements made herein of my own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Section 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed at Costa Mesa, California, this 15th day of March, 04.

By: \_\_\_\_\_

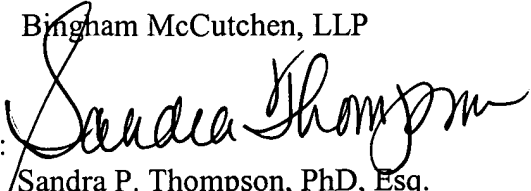
  
Kristin J. Azcona  
Senior IP Paralegal  
Bingham McCutchen LLP

Bingham Ref. No.: 7240022001-3224000 (54-002-004)  
Client Ref. No.: H0002233 US (4015)

Dated: 3/15/04

Respectfully submitted,

Bingham McCutchen, LLP

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E-mail: [sandra.thompson@bingham.com](mailto:sandra.thompson@bingham.com)  
Direct Line: 714-830-0622

ATTORNEYS FOR APPLICANT(S):

Plaza Tower  
600 Anton Boulevard, 18th Floor  
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Tel: 714-830-0622  
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**Express Mail Log – Post Office to Addressee  
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Express Mail Label Number	Client Matter Number	Date Deposited (Date Deposited Means Item Deposited in Drop Box Location before Pickup Time Shown Above for that Date)	Depositing Paralegal Initials
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EV332878654US	51-048-005	05/27/03	KJA 5/27/03
EV332878671US	52-022-004	05/27/03	KJA 5/27/03
EV332878668US	51-099-001	05/27/03	KJA 5/27/03
EV332878685US	51-065-008	05/27/03	KJA 5/27/03
EV332879513US	52-004-011	05/27/03	KJA 5/27/03



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EV332879473US	03-491-001	06/02/03	KJ 6/2/03

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EV332879460US	51-123-003	06/03/03	KJA 6/3
EV332879495US	51-126-002	06/03/03	KJA 6/3

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EV332879500US	51-057-003	06/05/03	6/5/03 KJA
EV332879425US	51-057-003	06/05/03	6/5/03 KJA
EV332879442US	51-073-002	06/05/03	6/5/03 KJA
EV332879456US	51-073-002	06/05/03	6/5/03 KJA
EV332879439US	54-016-001	06/05/03	6/5/03 KJA

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EV332879266US	50-012-005	06/09/03	VA 6/9/03
EV332879408US	51-036-009	06/09/03	VA 6/9/03
EV332878662US	100985.0002	06/09/03	VA 6/9/03
EV332879411US	52-015-002	06/09/03	VA 6/9/03

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EV406604014US	54-002-004	06/11/03	KJA 6/11/03
EV332879399US	53-007-002	06/11/03	KJA 6/11/03
EV332879385US	51-011-004	06/11/03	KJA 6/11/03

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EV332879371US	50-008-005	06/12/03	KJA 6/12/03
EV332879270US	50-009-002	06/12/03	KJA 6/12/03

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EV332879283US	51-011-003	06/16/03	6/16/03 KJA
EV406603997US	100985.0002	06/16/03	6/16-SPT
EV406604005US	100776.0002	06/16/03	6/16-SPT
EV332879297US	51-073-002	06/16/03	6/16/03 KJA

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EV332879306US	52-014-002	06/18/03	KJA 6/18/03
EV332879337US	17-338-007	06/18/03	KJA 6/18/03



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EV332879310US	51-034-005	06/19/03	YA 6/19/03
EV332879323US	52-014-007	06/19/03	YA 6/19/03

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EV332879345US	57-002-001	06/23/03	6/23/03 KJA
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EV4066033345US	51-072-013	06/26/03	VJK 6/26/03
EV332879354US	52-017-003	06/26/03	VJK 6/26/03

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EV332879252US	51-011-006	07/08/03	15A 7/8/03
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EV332879249US	52-024-001	07/10/03	7/10/03 KA
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EV332879221US	54-015-002	07/15/03	7/15/03 KJA
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EV332879235US	51-120-016	07/17/03	VJA 7/17/03
EV332879155US	51-120-025	07/17/03	VJA 7/17/03
EV332879204US	51-155-001	07/17/03	VJA 7/17/03
EV332879218US	51-087-013	07/17/03	VJA 7/17/03